

WHAT IS CLAIMED IS:

1. An isolated nucleic acid molecule which comprises DNA having at least about 80% sequence identity to (a) a DNA molecule encoding an FGF-19 polypeptide comprising the sequence of amino acid residues from about 1 or about 23 to about 216 of Figure 2 (SEQ ID NO:2), or (b) the complement of the DNA molecule of (a).

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2. The isolated nucleic acid molecule of Claim 1 comprising the sequence of nucleotide positions from about 464 or about 530 to about 1111 of Figure 1 (SEQ ID NO:1).

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3. The isolated nucleic acid molecule of Claim 1 comprising the nucleotide sequence of Figure 1 (SEQ ID NO:1).

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4. The isolated nucleic acid molecule of Claim 1 comprising a nucleotide sequence that encodes the sequence of amino acid residues from about 1 or about 23 to about 216 of Figure 2 (SEQ ID NO:2).

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5. An isolated nucleic acid molecule comprising DNA which comprises at least about 80% sequence identity to (a) a DNA molecule encoding the same mature polypeptide encoded by the human protein cDNA deposited with the ATCC on November 21, 1997 under ATCC Deposit No. 209480 (DNA49435-1219), or (b) the complement of the DNA molecule of (a).

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6. The isolated nucleic acid molecule of Claim 5 comprising DNA encoding the same mature polypeptide encoded by the human protein cDNA deposited with the ATCC on November 21, 1997 under ATCC Deposit No. 209480 (DNA49435-1219).

7. An isolated nucleic acid molecule comprising DNA which comprises at least about 80% sequence identity to (a) the full-length polypeptide coding sequence of the human protein cDNA deposited with the ATCC on November 21, 1997 under

ATCC Deposit No. 209480 (DNA49435-1219), or (b) the complement of the coding sequence of (a).

8. The isolated nucleic acid molecule of Claim 7 comprising the full-length polypeptide coding sequence of the human protein cDNA deposited with the ATCC on November 21, 1997 under ATCC Deposit No. 209480 (DNA49435-1219).

9. An isolated nucleic acid molecule encoding an FGF-19 polypeptide comprising DNA that hybridizes to the complement of the nucleic acid sequence that encodes amino acids 1 or about 23 to about 216 of Figure 2 (SEQ ID NO:2).

10. The isolated nucleic acid molecule of Claim 9, wherein the nucleic acid that encodes amino acids 1 or about 23 to about 216 of Figure 2 (SEQ ID NO:2) comprises nucleotides 464 or about 530 to about 1111 of Figure 1 (SEQ ID NO:1).

11. The isolated nucleic acid molecule of Claim 9, wherein the hybridization occurs under stringent hybridization and wash conditions.

12. An isolated nucleic acid molecule comprising at least about 22 nucleotides and which is produced by hybridizing a test DNA molecule under stringent hybridization conditions with (a) a DNA molecule which encodes a FGF-19 polypeptide comprising a sequence of amino acid residues from 1 or about 23 to about 216 of Figure 2 (SEQ ID NO:2), or (b) the complement of the DNA molecule of (a), and isolating the test DNA molecule.

13. The isolated nucleic acid molecule of Claim 12, which has at least about 80% sequence identity to (a) or (b).

14. A vector comprising the nucleic acid molecule of Claim 13.

15. The vector of Claim 14, wherein said nucleic acid molecule is operably linked to control sequences recognized by a host cell transformed with the vector.

16. A nucleic acid molecule deposited with the ATCC under accession number 209480 (DNA49435-1219).

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17. A host cell comprising the vector of Claim 14.

18. The host cell of Claim 17, wherein said cell is a CHO cell.

10 19. The host cell of Claim 17, wherein said cell is an *E. coli*.

20. The host cell of Claim 17, wherein said cell is a yeast cell.

15 21. A process for producing an FGF-19 polypeptide comprising culturing the host cell of Claim 17 under conditions suitable for expression of said FGF-19 polypeptide and recovering said FGF-19 polypeptide from the cell culture.